

# INTERNATIONAL SEARCH REPORT

Intern: d Application No  
PCT/GB2004/005035

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 601N21/35

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 601N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DE 203 01 081 U1 (DRAEGER SAFETY AG &amp; CO. KGAA) 10 April 2003 (2003-04-10)</p> <p>page 1, line 15 - line 22  page 2, line 20 - line 22  page 2, line 28 - page 3, line 8  page 3, line 21 - line 25  page 3, line 32 - page 4, line 6  page 5, line 1 - line 9  page 5, line 16 - line 19  page 5, line 25 - line 27  page 6, line 5 - line 8  figure 1</p> <p>-----  -/-</p>	<p>1-13,  15-20,  24-33</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

25 February 2005

Date of mailing of the International search report

16/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Verdoodt, E

## INTERNATIONAL SEARCH REPORT

Intern

al Application No

PCT/GB2004/005035

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2004/023113 A (E2V TECHNOLOGIES LIMITED; HOPKINS, GRAHAM, PAUL) 18 March 2004 (2004-03-18)  the whole document	1-13,15, 16, 18-20, 25-27,29
X	WO 02/077619 A (EDWARDS SYSTEMS TECHNOLOGY INC ; KOUZNETSOV ANDRIAN I (US)) 3 October 2002 (2002-10-03)	1-13, 15-18, 24-27, 29,30
Y	page 5, line 12 - page 6, line 14	28
A	page 7, line 1 - last line figures 2,3	34,36
X	DE 201 21 183 U1 (STEINEL GMBH & CO. KG) 3 April 2003 (2003-04-03)  figure 1 page 4, paragraph 2	1-5,7-9, 13, 15-17, 24-27
X	US 5 475 222 A (KING JOHN D) 12 December 1995 (1995-12-12) the whole document	1,34-36
X	GB 2 116 317 A (HORIBA LTD) 21 September 1983 (1983-09-21) page 1, line 27 - line 33 page 4, line 40 - line 48	1,14
Y	US 3 614 431 A (MC Henry THOMAS F) 19 October 1971 (1971-10-19) column 1, line 60 - line 62	28
X	US 6 410 918 B1 (KOUZNETSOV ANDRIAN I) 25 June 2002 (2002-06-25) figure 5 column 5, line 30 - line 59 column 6, line 1 - line 12	1,13,15, 16,18-27 32
X	GB 2 372 099 A (DYNAMENT LTD) 14 August 2002 (2002-08-14) cited in the application	1,30,31
A	page 5, line 12 - line 18 page 9, line 17 - line 20 figure 3	22,32
X	US 6 469 303 B1 (HSI PETER C ET AL) 22 October 2002 (2002-10-22) cited in the application column 6, line 63 - line 65	1,30,31
A	US 2002/153490 A1 (O'LEARY ROBERT) 24 October 2002 (2002-10-24) the whole document	34,36
	----- -/-	

# INTERNATIONAL SEARCH REPORT

Intern:      lal Application No  
PCT/GB2004/005035

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 896 216 A (TEXAS INSTRUMENTS INC) 10 February 1999 (1999-02-10) the whole document</p> <p>_____</p>	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat'l Application No  
PCT/GB2004/005035

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 20301081	U1	10-04-2003	GB 2391309 A ,B US 2004007667 A1	04-02-2004 15-01-2004
WO 2004023113	A	18-03-2004	GB 2392721 A WO 2004023113 A1	10-03-2004 18-03-2004
WO 02077619	A	03-10-2002	US 2002104967 A1 WO 02077619 A2	08-08-2002 03-10-2002
DE 20121183	U1	03-04-2003	DE 10254057 A1	16-10-2003
US 5475222	A	12-12-1995	WO 9618095 A1	13-06-1996
GB 2116317	A	21-09-1983	JP 1012188 Y2 JP 58136758 U JP 58136759 U JP 63029240 Y2 JP 58136760 U JP 63030996 Y2 JP 58136761 U JP 63006670 Y2 JP 2019719 Y2 JP 58136762 U JP 58136763 U JP 58160339 U JP 64003067 Y2 DE 3307132 A1 US 4499378 A KR 8700596 B1	10-04-1989 14-09-1983 14-09-1983 05-08-1988 14-09-1983 18-08-1988 14-09-1983 25-02-1988 30-05-1990 14-09-1983 14-09-1983 25-10-1983 26-01-1989 22-09-1983 12-02-1985 23-03-1987
US 3614431	A	19-10-1971	NONE	
US 6410918	B1	25-06-2002	AU 8349001 A EP 1299710 A2 WO 0204926 A2 AU 753912 B2 AU 1110299 A CA 2307782 A1 EP 1027592 A1 WO 9922221 A1 US 6255653 B1	21-01-2002 09-04-2003 17-01-2002 31-10-2002 17-05-1999 06-05-1999 16-08-2000 06-05-1999 03-07-2001
GB 2372099	A	14-08-2002	EP 1358472 A1 WO 02063283 A1 JP 2004522152 T US 2002105650 A1	05-11-2003 15-08-2002 22-07-2004 08-08-2002
US 6469303	B1	22-10-2002	NONE	
US 2002153490	A1	24-10-2002	WO 02079739 A1	10-10-2002
EP 0896216	A	10-02-1999	EP 0896216 A2 JP 11118711 A US 6067840 A	10-02-1999 30-04-1999 30-05-2000